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TITLE: PRODUCTION OF BASIDIOMYCETOUS FRUITING BODY

PUBN-DATE: August 6, 1985

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ABSTRACT:

PURPOSE: To obtain a basidiomycetous fruiting body, e.g. an edible mushroom, at a low cost without a change from a dark to a lighted places nor temperature change, by cultivating a basidiomycetous mold starter in a nutrient culture medium containing anthranilic acid, p-aminobenzoic acid, etc. to induce the basidiomycetous fruiting body.

CONSTITUTION: A basidiomycetous mold starter is inoculated into a nutrient culture medium containing at least one of anthranilic acid, p-aminobenzoic acid or a metal salt or a mixture thereof and further maltose, polypeptone, a salt such as KH_2PO_4 or thiamin hydrochloride, etc. and cultivated therein to induce a basidiomycetous fruiting body and give the aimed mushroom. Examples of the basidiomycete to be used include edible mushrooms such as Lentinus edodes (SHIITAKE mushroom), Flammulina velutipes, Panus ostreatus, Pholiota nameko, Auricularia auricula, Lyophyllum aggregatum, etc. and Polyporus orcularius, Polyporaceae versicolor, Elfvinga applanata, etc.

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